

Environmental Protection Agency

§ 158.202

§ 158.180 Enforcement analytical method.

An analytical method suitable for enforcement purposes must be provided for each active ingredient in the product and for each other ingredient or impurity that is determined to be toxicologically significant.

§ 158.190 Physical and chemical characteristics.

(a) *Table.* Sections 158.50 and 158.100 through 158.102 describe how to use this table to determine the physical and chemical characteristics data requirements and the substance to be tested.

Kind of data required	(b) Notes	All general use patterns (requirements are the same for every use pattern)	Test substance		Guidelines reference No.
			Data to support MP	Data to support EP	
Color		[R]	MP and TGAI	EP* and TGAI	63-2
Physical state		[R]	MP and TGAI	EP* and TGAI	63-3
Odor		[R]	MP and TGAI	EP* and TGAI	63-4
Melting point	(1)	[R]	TGAI	TGAI	63-5
Boiling point	(2)	[R]	TGAI	TGAI	63-6
Density, bulk density, or specific gravity		[R]	MP and TGAI	EP* and TGAI	63-7
Solubility		[R]	TGAI or PAI	TGAI or PAI	63-8
Vapor pressure		[R]	TGAI or PAI	TGAI or PAI	63-9
Dissociation constant		[R]	TGAI or PAI	TGAI or PAI	63-10
Octanol/water partition coefficient	(3)	[CR]	PAI	PAI	63-11
pH	(4)	[CR]	MP and TGAI	EP* and TGAI	63-12
Stability		[R]	TGAI	TGAI	63-13
Oxidizing or reducing action	(5)	[CR]			
Flammability	(6)	[CR]	MP	EP*	63-15
Explosibility	(7)	[R]	MP	EP*	63-16
Storage stability		[R]	MP	EP*	63-17
Viscosity	(8)	[CR]	MP	EP*	63-18
Miscibility	(9)	[CR]	MP	EP*	63-19
Corrosion characteristics		[R]	MP	EP*	63-20
Dielectric breakdown voltage	(10)	[CR]		EP*	63-21
Other requirements: Submittal of samples ..	(11)	[CR]	MP, TGAI, PAI	EP*, TGAI, PAI	64-1

Key: R = Required; CR = Conditionally Required; [] = Brackets (i.e. [R],[CR]) indicate data requirements that apply when an experimental use permit is being sought; MP = Manufacturing Use Product, EP* = End Use Product; asterisk indicates those registrants that end-use applicants (i.e. formulators) need not satisfy, if their active ingredient(s) is (are) purchased from a registered source; TGAI = Technical Grade of the Active Ingredient; PAI = Pure Active Ingredient.

(b) Notes.—The following notes are referenced in column two of the table contained in paragraph (a) of this section.

(1) Required if technical chemical is a solid at room temperature.

(2) Required if technical chemical is a liquid at room temperature.

(3) Required if technical chemical is organic and non-polar.

(4) Required if test substance is dispersible with water.

(5) Required if product contains an oxidizing or reducing agent.

(6) Required if product contains combustible liquids.

(7) Required if product is potentially explosive.

(8) Required if product is a liquid.

(9) Required if product is a emulsifiable liquid and is to be diluted with petroleum solvents.

(10) Required if end-use product is a liquid and is to be used around electrical equipment.

(11) Basic manufacturers are required to provide the Agency with a sample of each TGAI used to formulate a product produced by an integrated system when the new TGAI is first used as a formulating ingredient in products registered under FIFRA. A sample of the active ingredient (PAI) suitable for use as an analytical standard is also required at this time. Samples of end use products produced by an integrated system must be submitted on a case-by-case basis.

[49 FR 42881, Oct. 24, 1984, as amended at 58 FR 34203, June 23, 1993]

Subpart D—Data Requirement Tables

§ 158.202 Purposes of the registration data requirements.

(a) *General.* The data requirements for registration are intended to generate data and information necessary to address concerns pertaining to the identity, composition, potential ad-

verse effects and environmental fate of each pesticide.

(b) [Reserved]

(c) *Residue chemistry.* (1) Residue Chemistry Data are used by the Agency to estimate the exposure of the general population to pesticide residues in food and for setting and enforcing tolerances for pesticide residues in food or feed.